



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

K. D. K. COLLEGE OF ENGINEERING,
NAGPUR

- Name of the Head of the institution **Dr. Devendra P. Singh**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **07122710030**
- Mobile no **9822240806**
- Registered e-mail **aml_badar@yahoo.com**
- Alternate e-mail **prabhakar.khandait@kdkce.edu.in**
- Address **Great Nag Road, Nandanvan ,Nagpur**
- City/Town **Nagpur**
- State/UT **Maharashtra**
- Pin Code **440024**

2.Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur**
- Name of the IQAC Coordinator **Dr. Prabhakar D. Khandait**
- Phone No. **9028144773**
- Alternate phone No. **9923199394**
- Mobile **9028144773**
- IQAC e-mail address **prabhakar.khandait@kdkce.edu.in**
- Alternate Email address **prabhakark117@gmail.com**

**3. Website address (Web link of the AQAR
(Previous Academic Year)**

https://kdkce.edu.in/writereaddata/fckimagefile/KDKCE_AQAR_2020-21.pdf

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://kdkce.edu.in/writereaddata/fckimagefile/Institute-Academic%20calender%202021-22.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.93	2018	02/11/2018	01/11/2023

6. Date of Establishment of IQAC

09/07/2016

7. Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department of Mechanical Engineering, KDKCE, Nagpur	Development of Process for Extraction of Activated Carbon & Bio oil from Coconut Shells	Rajiv Gandhi Science & Technology Commission and Rashtrasant Tukadoji Maharaj Nagpur University Nagpur	2022	102000
Incubation Center , KDKCE, Nagpur	A Novel Approach Towards Ginival Curettage Using Newly Advanced Flexible Bur	AUR Innovation Private limited (BIG Sceme)	2021	199000
Department of Civil Engineering, KDKCE, Nagpur	NAAC Sponsored National Conference	NAAC	2021	30000
Department of Civil Engineering, KDKCE, Nagpur	Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)	AICTE	2021	100000

8. Whether composition of IQAC as per latest NAAC guidelines Yes

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year 4

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? **Yes**

- If yes, mention the amount **30000**

11. Significant contributions made by IQAC during the current year (maximum five bullets)

• International conference (01) and national conference (02) are organized online • Grants of more than Rs.6.72 lakhs received from Government and non-governmental funding agencies in toto. • FDPs (05), STTP (03), Online Workshops (8 +), seminars/Webinars (19+) etc are organised • Campus Recruitment Training (CRT) program which resulted into 303+ placements • Sixty Four (64) teachers undergone the online/face-to-face Faculty development Programmes (FDP) during the year • Nine (09) functional MoUs with institutions, other universities, industries, corporate houses etc. signed during the year

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Quality initiatives by Internal Quality Assessment Cell (IQAC)	Submission of AQAR of 2021-22
Grant from All India Council of Technical Education (AICTE) and other Government /Non Government organizations	Grant received from Government /Non-Government organizations (Around Rs. 6.72 Lakhs in 2021-22)
Workshops on Intellectual Property Rights (IPR) and Entrepreneurship related activities, Outcome Based Education	Fifty one (51) workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship. Workshops on Formation & Attainment of Course & Program Outcomes are also organized.
Organization of National/ International Conference	Two (02) National Conferences and 01(one) International conference is organized.
Thrust Areas Specific Activities like Lab. Development, Publications, Proposals, Short Term Training Programs (STTPs), Faculty Development Programs (FDPs), Students Development Programs (SDPs), Training etc	Eight (08) FDPs & STTPs organized. More than One Forty (140) papers are published by students in groups.
Organization of workshops/ Seminars/Webinars	Eight (08) Workshops and Nineteen (19) seminars/Webinars are organized
Participation of Faculty in Conferences/ STTP/FDP/Workshops/webinars/ seminars	Faculty Members attended more than Five Hundred Eighty(580) different Conferences/ STTP/FDP /Workshops/webinars/ seminars etc.
Paper publication by Faculty	Two Hundred Fourteen (214) papers are published by faculty in conferences and Journals
Signing of Memorandum of Understanding (MOU)	Nine (09) MOUs are signed in 2021-22

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
College Development Cell	12/11/2022

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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• Name of the Head of the institution	Dr. Devendra P. Singh
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• Alternate Email address	prabhakark117@gmail.com				
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Name	Date of meeting(s)
College Development Cell	12/11/2022
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2021-22	27/12/2022
15. Multidisciplinary / interdisciplinary	
<p>While the prime effort of the institution remains on the optimization of methods of curriculum delivery to ensure academic excellence, preparing the students for industry or self-employment is also one of the institution's highest priorities. KDK College being an affiliated college of RTM Nagpur University completely adheres to and follows the course structure and curriculum as approved by the University. Thus the college will implement in letter and spirit the curriculum and course structure as formulated by the University as per NEP. The college already has a well-established framework for offering elective courses for students of other disciplines, hence is completely prepared for this concept of multiple entries and exits. The various departments of the college already offer open elective papers to students from other departments as part of their curriculum. Under Graduate (UG) students of different disciplines are being involved in Student Research Projects of inter and multidisciplinary nature. The rapidly evolving employment market, the need for entrepreneurship development, up-skilling, innovation and developing global competencies has led to the need for rethinking competencies and taking it beyond the classroom teaching. Moreover, the world today needs good citizens, who are socially responsible, compassionate, and tolerant towards others and are ready to offer their services for the development of their community and country. It is essential today to inculcate in the young generation good moral and ethical values and attitudes that will help them overcome any kind of obstacles and help them to excel in whatever profession they may choose to follow. The college has necessary expertise to</p>	

implement the curricula linkages and integration between different disciplines. The College will implement and provide courses involving flexible and innovative curricula as per the list approved by the University. The college boasts of a very active and vibrant NSS and student forum. Through these initiatives the college is already involved in community engagement and service, environmental education and value based education. The college adheres to the 4 year curriculum framework with multiple entries and exits as provided by the University.

16.Academic bank of credits (ABC):

KDK College of Engineering is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University of Nagpur and completely adheres to the curriculum framework and syllabi as directed by the University from time to time. The College is completely prepared to implement Academic Bank of Credits framework as approved by the University. The college already has student management system (ERP) in place where all student details including their internal assessment, attendance, continuous internal evaluation and examination related details are entered. Thus as the RTM Nagpur University has adopted the ABC, the college has also implemented it by encouraging students to register on ABC portal of the MOE/UGC. Further the college already offer elective courses where students chooses which courses they want to opt so college will be able to adapt to the multiple entry, exists and collaborations with other college, University and international institutions regarding the same.

The faculties of the college have completely migrated to the blended mode of teaching-learning pedagogy where the faculties provide appropriate learning to the students and have implemented the leaner-centric approach. Faculties not only provide relevant online and offline resources to the students but also develop and deliver content beyond syllabus for any gaps in the curriculum. Course activities have been the part of the teaching-learning process in addition to regular classroom teaching-learning. The faculties of the college are constantly engaged in the creation of online content including text material, instructional videos, demonstration videos of experiments, workshops, remedial and tutorial sessions to help the students achieve the optimum learning.

17.Skill development:

KDK College of Engineering offers various Skill enhancement and Industrial Skill development courses as per their aptitude,

curriculum and which are best suited to their needs. In addition to these course, the college also offers elective courses which aim to develop discipline related skills and hands-on approach. The college also offers language skills course and Campus Recruitment Training course as part of the ability Enhancements courses. Some of the courses offered in 2021-22 are:

1. Salesforce
2. Communication Enhancing Skills
3. CNC Milling and Programming
4. Recent Trends in Mobile Application Development
5. AutoCAD, STAAD & Revit

The college has MoU various technical training institutes and industries of related disciplines to offer Certificate courses for providing skilling, training and employment benefits to the students. The College also has tie up with different companies for on the Job training, industry training and internship of the students. The college has also established facilities like E-Yantra lab, NSS, NCC, Club Robo and Club Auto to inspire interdisciplinary ideas for Innovation at under graduate level and expose the students to the latest trends and skills in research and develop with interdisciplinary approach. The institution offers additional skill development courses for the students under different program of study which educate, sensitize and help them to develop a positive value based mindset and attitude.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The faculties take efforts to enhance the learning level of the students by solving their doubts/ quarries in vernacular language. The teaching in classroom is in mixed mode of languages (English and vernacular). The Institute celebrates Matrubhasha Diwas, Indian festivals like Makar Sankranti, Diwali Milan, Garba Fest, Kite Festival etc. Annual cultural Program "Navonmesh" is celebrated wherein students participate in competitions like dance, skit, singing, poster and essay competition, rangoli, mehendi etc. Students are encouraged to visit monuments of cultural importance in local site visit and exertion tours. Indian Sports like Kabaddi, kho-kho etc. are organized at college as well as intercollegiate level. The college faculties also have interest and research work in the areas of Indian Knowledge System to help students to develop understanding about our traditional ethos. The college constantly encourages its faculty to hone their skills in the area by attending FDP, Refresher

courses, seminars and conferences and also by organizing these for the benefit of all the students of the institution. Faculties undergo FDP/ refresher courses on Universal Human Values (UHV). It is notable to mention that the college recently organized Faculty Development Program on NEP-2020 in which faculties presented their expert talks on different themes under NEP 2020. The institution is planning to train its faculties to provide the classroom delivery in bilingual mode in the next session.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The college has completely adopted the learning outcome based curriculum framework and implements the program structure of Choice Based Credit System and curriculum approved by Rashtrasant Tukadoji Maharaj Nagpur University. Program outcomes as defined by NBA are adopted and Program Specific outcome are framed in consultation with eminent persons from industries, academia and faculties of the institute. Course Outcomes are framed for each course. Apart from this, vision & mission statements are disseminated to all stakeholders of the programs through faculty meetings, student awareness workshops, induction programs, parents meet etc. College has established a robust and credible continuous evaluation and internal assessment system to constantly monitor the progress of all its students including their regularity. Based on these assessments the faculties plan their intervention to help the weak students and slow learners so that they can cope up with the rigor of the curriculum. In order to create the best teaching-learning environment for its students the college has completely implemented the blended teaching-learning pedagogy. Though the blended approach the faculty constantly monitor whether the learning objectives and learning outcomes are being achieved or not and accordingly take necessary steps to ensure that all students gain the necessary expertise, knowledge skills and capabilities.

20.Distance education/online education:

The college is carrying out its teaching-learning process in blended mode where continuous monitoring and evaluation is done to ensure that faculty can do timely intervention so that students can understand and remove their weakness in a time bound manners. For this purpose the college has subscribed to both Google Suite which includes all Google tools like Google Meet, Google Classroom, Google Calendar amongst others to develop and deliver the entire teaching learning process in an online environment in addition to offline teaching and interaction. Google classrooms for each individual subject in each semester

were created by subject teachers and students were invited to join the class. College established ICT enabled classrooms and laboratories. In session 2021-22, due to COVID 19 pandemic, distance & online Teaching-learning process was carried out in Odd Semesters while Even semesters were conducted in mixed mode. Theory classes, seminars, Guest Lectures and many activities were conducted in online mode through Google classrooms. Understanding levels of students were tested by conduction of Quizzes on a regular basis. Assignments and sessional examinations were conducted online as per academic calendar which were evaluated using Kami app. In Laboratory sessions, faculties demonstrated experiments in online mode. Practical experiment demonstration videos were also made available. Live interaction in laboratory sessions, tutorials, doubt clearing sessions, project discussions and demonstrations were carried out in Google classrooms.

Extended Profile

1.Programme

1.1	390
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2794
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	333
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	806
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	170
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	122
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	45
Total number of Classrooms and Seminar halls	
4.2	589.61
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	854
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
KDK College of Engineering, being an affiliated institute, follows	

curriculum prescribed by Rashtrasant Tukadoji Maharaj Nagpur University. The curriculum is Choice Based Credit System and consists of course categories of science, core and interdisciplinary with project and lab practices. For each programme, Course Outcomes are framed based on bloom's taxonomy. Programme Specific Outcomes and Programme Educational Objectives are articulated in tune with vision and mission of Institute. Institute has a well-developed structure for effective implementation of syllabus that consistsof action plans implemented through IQAC wherein, academic calendar and time table is prepared prior to start of semester. Due to pandemic situation in 2021-22, online academic monitoring system is implemented to monitor online classes through Google monitoring sheet. Semester-wise WhatsApp group of students and faculties is prepared for publishing notices, time-table, other instructions etc. Google Classrooms are created, facilitating conduction of classes, sharing of course materials, books, videos, assignments, tests and examinations. Other than lockdown situation, classes are conducted in ICT classrooms during even semester. Online quiz at end of lecture is undertaken to ensure effective learning. Faculties prepare teaching file for courses undertaken. Action plans for bridging identified curriculum gaps is followed by arranging online expert lectures, webinars, workshops and other co-curricular activities.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://kdkce.edu.in/pdf/111%20Additional%20Information.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

College prepares academic calendar based on the academic calendar of R.T.M. Nagpur University. Academic calendar of college shows dates for start and end of odd and even semesters, dates for internal and university examinations and probable dates for other activities apart from regular academics. Follow up of this calendar depends upon the University schedule. There was a shift in dates in university calendar in pandemic situation 2021-22, similar shift had taken place in college calendar. However, the academic calendar is followed otherwise. Evaluation of learning is done through daily online quizzes during the lecture, two

sessional examinations and pre-university test in subjective and objective pattern. Apart from these examinations, class tests, surprise tests, quizzes etc. are conducted by subject teachers. Assignments are given and evaluated. Final internal assessment marks are calculated by considering all tests and assignments. Students are informed in advance about the parameters of internal evaluation system. Laboratory work is assessed on a continuous basis. Similarly, the Project work, case studies and industrial visits are assessed by seminars delivered by students on a regular basis along with viva-voce. Course related workshops, quizzes and PPT presentation competitions are taken up in online mode for evaluation of learning.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://kdkce.edu.in/pdf/1.1.2%20Additional%20Information.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

17

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

12

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

2416

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Under Professional Ethics related courses, Ethics in Information Technology and Professional Ethics are offered in CSE and Mechanical Engineering. Consumer Affairs is offered in Electronics and Telecommunication Engineering and Information Technology.

Industrial Economics and Entrepreneurship Development is offered in Mechanical and ETC. Communicative English and Technical Writing is offered in Civil Engineering. Industrial Visit and Report writing is offered in Electrical Engineering.

Under Human Values, Induction Program of First Year B.Tech. is conducted. Universal Human Values course is offered in CSE, IT and ETC. Under Environmental and sustainability, Civil Engineering offers Environmental Engineering, Environmental Engineering- II, Air Pollution and Solid Waste Management and Water and Wastewater treatment courses. Environmental Science is offered by CSE, Environmental Engineering is offered by IT and courses of Renewable Energy Studies and Environmental studies are offered by Electrical Engineering. In addition to these courses, UG projects related to environment and sustainability are undertaken and plagiarism checks are made compulsory for project reports and research papers. For Gender issues, institute has Women Development Cell, Women Redressal Cell and Internal Complaint Committee. No discrimination is done in class rooms, labs, allocation of projects and departmental student's forum committees. Departmental student's forums conduct programs related to human values and professional ethics.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

241

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1929

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
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File Description	Documents
URL for stakeholder feedback report	https://kdkce.edu.in/writereaddata/fckimagfile/141%20feedback-on%20syllabus-NAAC%202021-22.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://kdkce.edu.in/writereaddata/fckimagfile/142%20Stakeholder%20feedback%20report.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

624

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

292

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

At K.D.K.C.E., faculty members take efforts to find out strengths and weaknesses in students through various tests and quizzes. In session 2021-22, odd semesters were conducted in online mode due to COVID19 pandemic restrictions. Even semesters started with mixed mode (On-line & Offline), which, later on were conducted only in offline mode. The teachers and mentors adopted on-line communication technology for distant students and conventional guidance methods for physically present students. Google forms were used for collecting students' information for new entrants. Virtual platforms like Zoom and Google classroom were used for carrying out academic, co/extra-curricular activities. Quizzes, sessional examinations were conducted on regular basis to test learning levels of students.

Extensive use of communication technologies helped us to identify advanced and slow learners. Many activities like Paper Presentations, Journal publications, Seminars, sports, Expert Lectures, GATE Classes, CRT etc. were conducted for advanced learners. Advanced learners were encouraged to take up leadership roles like Class-representatives, Students' Association Office bearers etc.

Extra counseling and additional classes were conducted for slow learners. Parents' meets were held to discuss progress of their wards.

Students' Association activities, Social Gathering Navonmesh were held to bring out hidden talent among students.

File Description	Documents
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimagefile/221-learning-levels-programs%20for%20advanced-slowlearners-2021-22_compressed_1.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2794	170

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

At K.D.K.C.E., teaching-learning process is planned to have student centric methods. Emphasis is given on hands on training in order to create interest and prepare the students for industrial jobs. Students are encouraged to develop leadership & management skills, communication skills and orientation to work for the benefit of the society through a wide range of activities taken up by students' Associations, NSS, Rotaract club, Interaction with alumni etc. Following teaching techniques are adopted for enhancing the effectiveness of Teaching-Learning process along with regular class room coaching:

1. Experiential Learning was implemented through the following activities-

i) Laboratory Practicals

ii) Field Learning through -

a) Industrial Visits

b) Internships

- c) Training Programs
 - d) Real world examples
 - e) Project work based on real world problems
2. Participative Learning was implemented using -
- a) Google classroom
 - b) Laboratory Practicals
 - c) Projects
 - d) Case studies
 - e) Seminars & Presentations by students
3. Problem Solving Methodologies was implemented by -
- a) Tutorials
 - b) Assignments
 - c) Project work
4. Activities by Students' Association: Students plan & implement.
5. Interaction with Alumni: Alumni inform students about future challenges.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://kdkce.edu.in/writereaddata/fckimag_efile/231-student%20centric%20methods.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

K.D.K. College of Engineering has established ICT enabled classrooms and laboratories. In the session 2021-22, due to COVID 19 pandemic, distance & online Teaching-learning process was carried out in Odd Semesters while Even semesters were conducted

in mixed (Online - Offline) mode. College has registered with Google creating kdkce domain email IDs for all faculty members and students. Google classrooms for each individual subject in each semester were created by subject teachers and students were invited to join the class. Theory classes, seminars, Guest Lectures and many activities were conducted in on-line mode through Google classrooms. Understanding levels of students were tested by conduction of Quizzes on a regular basis. Assignments and sessional examinations were conducted online as per academic calendar which were evaluated using Kami app and returned to students.

In Laboratory sessions, faculty members demonstrated experiments in on-line mode. Some practicals videos were made available to the students. Live interaction was possible with students in laboratory sessions, tutorials and doubt clearing sessions.

Project discussions and demonstrations were carried out in Google classrooms. Teachers as well as students learnt to use the ICT enabled tools for effective teaching-learning process.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

169

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality	
2.4.1 - Number of full time teachers against sanctioned posts during the year	
170	
File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File
2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)	
2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year	
40	
File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File
2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)	
2.4.3.1 - Total experience of full-time teachers	
1344	
File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

In the session 2021-22, Odd semesters were conducted in online manner while Even semesters were in mixed mode. Faculty members announced pattern of internal assessment in Google classrooms. It was compulsory for all students to appear in all examinations. The internal assessment marks (20%) were based on Quizzes, objective tests, assignments, activities, sessional examinations and Pre-University Test conducted in each semester. Quizzes were conducted at regular intervals to judge understanding of students. Assignments were given regularly and Sessional examinations were conducted as per academic calendar of the college. Sessional examinations and Pre-University Test were based on RTM Nagpur University paper pattern.

Sufficient objective and subjective tests were conducted so as to evaluate students' performance in that particular subject. Practical and Project knowledge was tested by conducting viva-voce and seminars. If a particular student could not attend certain test/examination due to emergency conditions, re-examination was conducted and if he/she failed to appear in re-examination too, his performance was evaluated based on other tests he had appeared in. Thus, internal assessment system provided multiple opportunities to students in way of different modes of examinations at regular intervals.

File Description	Documents
Any additional information	View File
Link for additional information	https://kdkce.edu.in/writereaddata/fckimagefile/251-Mechanism%20of%20internal%20assessment.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

K.D.K.C.E. has very robust internal assessment system. Internal Examination committee prepares policy for internal assessment. Faculty members announce in advance about various modes of student assessment. Students are informed about academic calendar at the start of session and important dates of internal and University examinations.

Subject teachers, class incharges and Heads of various Departments announce examinations from time to time and notices are displayed accordingly. All answersheets are evaluated and returned to the students. Students are advised to contact subject teachers in case of grievance. In case, the matter is not solved, they can contact guardian teachers, class-incharges or Head of the Department. Head of the Department in consultation with the subject teacher tries to solve the matter to the satisfaction of the student. If the problem persists, students can contact higher authorities, i.e. Vice-principal or Principal, who convene a meeting with concerned HoD and subject Teachers to solve issue.

As the marks are to be uploaded on the RTM Nagpur University online portal, all the queries/ grievances are to be solved within the given time frame. Thus, the system is transparent, time-bound and efficient.

File Description	Documents
Any additional information	View File
Link for additional information	https://kdkce.edu.in/writereaddata/fckimag_efile/252_1-grievances.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Program outcomes are defined by NBA and Program Specific outcome are defined in various meetings held by Head of the Department with eminent persons from industries, academia and teachers of the institute. Course outcomes are framed based on guidelines given by R.T.M. Nagpur University, Nagpur by concerned teachers. All these outcome statements along with vision and mission of the Institute and Department are published on-

- College website <http://www.kdkce.edu.in>
- Display boards in the Department
- Departmental Newsletter & Magazine
- Project reports
- Apart from this, vision & mission statements are disseminated to all stakeholders of the programs through faculty meetings, student awareness workshops, induction programs, parents meet etc.

New students are informed about Pos/PSOs/COs at induction programs. Every teacher starts his/her first lecture with course objectives and course outcomes. After completion of each unit, teacher tests the students for CO attainment. COs are displayed on all examination papers and laboratory manuals.

Students are informed about the objectives of all programs/ activities conducted for them. Feedback is taken from students after every semester in terms of Pos/PSOs attainment through academics and other activities.

Thus, continuously POs, PSO and COs are disseminated to teachers and students.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://kdkce.edu.in/writereaddata/fckimagefile/261_1-CO-All%20programs.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Program Outcomes are defined by National Board of Accreditation, New Delhi for affiliated college programs while the Program Specific Outcomes (PSOs) are defined by individual programs. Course outcomes are framed based on guidelines given by R.T.M. Nagpur University, Nagpur by concerned teachers. COs are mapped with different units of the syllabus.

Subject teacher informs students about COs and the mode of assessment for evaluation of COs. Sessional examinations, Pre-university test, class tests, surprise tests, quizzes, objective tests etc. are conducted to assess CO attainment.

All course outcomes are mapped with Program outcomes and Program Specific Outcomes (PSOs). Co-curricular and Extra-curricular activities, industrial visits & training programs, Expert lectures etc. are conducted to fulfil some of the program and program specific outcomes.

The CO attainment is calculated based on students' performance in internal and University examination in the scale of 1-3. The PO

and PSO attainment is calculated for complete batch of students which progresses through all the courses of a particular program. The attainment is calculated based upon the association level, i.e., low-moderate-high, of a particular course/ CO/ activity with respect to the PO or PSO in the scale of 1-3. The attainment level for POs and PSOs for most of the programs lies between 2.3-3.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://kdkce.edu.in/writereaddata/fckimag_efile/262_CO-PO-Attainment.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

803

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://kdkce.edu.in/index.php/Contentpage/index/RXZrdnZ1cEZTZnhTWlZjPQ%3D%3D/

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.kdkce.edu.in/NAAC-SSS-2021-22.xlsx>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**4.31**

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides****20**

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year****02**

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://kdkce.edu.in/writereaddata/fckimag_efile/links%20for%20311.pdf

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institution is having a robust ecosystem for creation and transfer of knowledge. The ecosystem includes clubs for knowledge creation, skill development, exposure to industry and their problems, Creation of avenues for departments through cells like IPR Cell, Skill Clubs, Green Audit, Research & Development and Consultancy Cell, Industry-Institute Interaction Cell, Entrepreneurship development Cell, Incubation Center etc.

The institution is ISO 9001,50001,14001 certified and have all these elements of knowledge creation and transfer, functioning very actively. The Institution has a separate IPR Cell to promote IPR (patent, copyright etc.) .To encourage and inculcate technical skill sets in the students, various students clubs like Club Auto, Club Robo, I-5 Lab,GATE Club, Solar Club, software training through Indo-German Tool Room are in place. The Institute at departmental level have R.&D. and Consultancy Cell to provide consultancy to Government and Industry. It is note worthy that majority of final year projects of U.G. and P.G. are live industry problems through Industry - Institute Interaction Cell. We have very vibrant Entrepreneurship Development Cell since Year 2003, funded by AICTE , New Delhi and having MoU with MITCON and Wadhawani Foundation (USA) for promotion of entrepreneurship .. The Institution is also having full fledged premises for Incubation Center and is supported by Ministry of MSME, New Delhi. The Institute is also a Sub-Center for RashtrasantTukdojiMaharaj University, Nagpur, Incubation Center. The awareness and training is imparted to students and faculty members through these cells/clubs for effective creation and transfer of knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimag_efile/321_ecosystem.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

07

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

01

File Description	Documents
URL to the research page on HEI website	https://kdkce.edu.in/writereaddata/fckimagefile/331_PhD-REGISTERED.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

214

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

30

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Holistic development of the student is done through social, ethical, professional activities and cells/clubs. Institution aims to sensitize young generation toward social issues, community issue, ethics, human values, professional values, environment awareness, gender equality, social inequality, rural development & technologies, etc. Social development activities are undertaken by NSS unit, at department level, student forum/association like MESA, CESA, EESA, ISF, FACE-IT, professional society student chapter like ISTE Student Chapter, IEEE Students Chapter, etc.

Institute has a very vibrant NSS, conducting activities like rural development, health checkup, blood donation, help to old age people, tree plantation, environment awareness, village development, Swaccha Bharat Abhiyan, health awareness, women safety, health ,yoga, programmes are undertaken. Extension activities like blood donation, Share & Care orphanage, Traffic awareness, awareness and development activities in rural areas, etcare undertaken.

The institute is undertaking its extension activities in nearby area like skill development and job generation as Educational Social responsibility by the college with active participation of all faculty members and students.

The impact analysis of these activities reveals improvement of women empowerment, gender and social equality, development of leadership and teamwork. The students are given exposure to industrial environment for developing professional values & ethics. The group activities promote development of social behaviors and leadership in the students. The faculty members

undertake Guardian Teacher Scheme to monitor academic & holistic development of students.

File Description	Documents
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimagfile/341-Extension-activities-2021-22.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

11

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

20

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

908

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

357

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

As per AICTE, area required is 2.5 acres. The College is having an area of 5.55 ACRES(22460 Sq.Mtr). The total built-up area is 26550.784 sq.m. whereas main specified area as per AICTE is 13728 sq.m. The state-of-the-art infrastructure compliance to all statutory body norms. The Vision of college is "Service to the society through Quality Technical Education" which aptly provides to all the stake holders with various facilities for Teaching and learning. Total 40 classrooms, 16 tutorial rooms, 71 laboratories, 5 seminar halls for departments, workshop, central library, closed auditoriums, open auditorium, canteen facility and playground are available in the campus for teaching learning & other activities. Classrooms are equipped with multimedia teaching aids & smart class are available with smart board. College is having two blocks to handle all academic activities. All laboratories are equipped with good quality equipments with investment of more than 7 crores. Whenever additional course is started or curriculum needs arise it is ensured that required physical infrastructure is available on time. Considering the contact hours of each course, classroom and laboratory utilization timetable is planned by the departments. Resources are shared across departments whenever needed. To facilitate proper and continuous power supply & maximum energy requirements of the college; a 250 KVA transformer , 140 KVA Genset & solar panels on the roofs of the buildings are installed in the campus. To enhance teaching learning, various clubs like Robo Club, Auto Club ,Coding Club ,Student activity Centre, etc. are formed.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.kdkce.edu.in/PDF/4.1.1%20GT-photos-class%20rooms_seminar%20halls-Labs.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The institute focuses on overall development of the learners which will give positive vibes to the society by concentrating on intellectual and spiritual quotients. The Department of Sports provides a broad spectrum of sports, recreation, and leisure activities for students and faculty. College has well equipped closed auditoriums and open auditorium to organize cultural activities, Seminars, Professional/Invited Talks, Awareness programs etc.

Playground with outdoor sports facilities like basketball, volleyball, football, Cricket, mix cricket, tug of war , athletics, Kabaddi, kho-kho etc. and indoor games such as table tennis, carom, chess, pool table are available. A multi-station gymnasium with free weight exercises is available at Hostel B. Yoga is practiced in college campus and supervised by Dr. G.H.Agrawal. Every year on June 21st, the International Yoga day is celebrated where all the students and faculty proactively participate. During pandemic some of the games were conducted online. For overall development of Students, clubs like rotract ,Robo,Auto club,coding clubs are established. Students actively practice and participate in university level events, extra-curricular activities, National level competitions and won awards and prizes. Each Year College conducts sports meet and cultural activities through mega event NAVONMESH wherein various cultural activities like dance, singing competition, student personality show, quiz, debate competitions, Antakshari etc. are held.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimagfile/412_Additional%20Geo%20tagged-sports.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

40

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.kdkce.edu.in/PDF/4.1.3%20Geo-tagged%20photos-class%20rooms%20seminar%20halls%20with%20Master%20Time%20Table%20labs.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

43.79

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- The Central Library of the College is well equipped & furnished in accordance with the AICTE norms. It is fully automated with Synchronic Soflib Software(ILMS) - version 5.5 that supports all in-house operations of the Library. The resources are completely Bar Coded and automated using Synchronic Soflib-5.5 Integrated Library Package for Transactions and OPAC (Online Public Access of Catalogues) for the users and consisting of Acquisition, Cataloging, Circulation, Serials control and Web OPAC facility which allows students and faculty to browse a book by author, title, publisher or any keyword.
- The library has a collection of total 9742 titles, with 56576 volumes with a total cumulative investment of Rs.1,43,19,970/-. It is having collections of e- journals and e- books & a provision of access to e-journals through DELNET, NDL, Project Report for UG & PG programmes. For this purpose a separate arrangement in Digital Library is made where students & staff can access, download, print the open access journals & research papers, also they can listen to the video lectures with the help of audio-visual aids.
- 77 national and 549 international journals (DELNET) are subscribed along with e-Shodh Sindhu Membership. Reprography, OPAC, inhouse/remote access to e-resources, INFLIBNET/IUC facilities are also provided.
- For online access to library facility digital version of Library books is created and uploaded in Data Centre on college website
- Exclusive reference section is available in the library. CCTV cameras are installed in the library for strict surveillance.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://kdkce.edu.in/writereaddata/fckimag_efile/421_Library%20Automation-2021-22.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above
File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File
4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)	
4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
3.08	
File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File
4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)	
4.2.4.1 - Number of teachers and students using library per day over last one year	
65	
File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File
4.3 - IT Infrastructure	
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi	

The College is having well established IT facilities in the entire campus. Each department has their own computing facility with adequate number of Computers, printers and scanners.

The configuration of computers is upgraded to i3 and i5. Currently, internet bandwidth is 200 Mbps (Airtel-leased line) to provide fast internet access & in addition we have 200 Mbps BSNL broadband internet connection as a back-up line. Wi-Fi facility is provided throughout the campus through 20 access points.

In the session 2021-2022, few more high end core i5 dell Computers (6th Gen.) were purchased. For improving teaching-learning facility and to provide better education to students high resolution Cameras and high sound quality speakers were purchased.

Wi-Fi facility is provided to each staff and student wherein, they can access for all types of e-learning resources. The Classrooms, seminar/conference halls, Auditoriums are equipped with LCD Projectors with all accessories. College faculty members have been using Google Class Room platforms with an in-built recording facility. The campus is 24x7 CCTV surveillance. Budget provisions are made for up gradation, deployment and maintenance of IT infrastructure.

Details of what has been purchased are mentioned below:

- 1) Core i5 Dell Computers (Qty-21)
- 2) HP Barebone 6th Generation (Qty-10)
- 3) Dell inspiron 3511 Laptop (Qty-1)
- 4) MaxWell Projector (Qty-1)

Licensed Software purchased for the session 2021-2022 are-

Biomax Smart office software (Qty-2)

List of Open Source software are-

WEKA, Wireshark, Packet tracer, STAR UML, LINUX, LEX, Turbo C, Python

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimagefile/431%20Additional%20data-2021-22.pdf

4.3.2 - Number of Computers

1035

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

63.329

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

- AMC contract is given to external agency for the maintenance of computers, peripherals ,internet connectivity, CCTV security system and network connectivity within the college through Administration team.
- The purchases of new computers,printer refilling, antivirus etc. supervised by the department.
- Laboratory,classroom and other equipments like LCD projectors are maintained by technical support staff to some extent. In case of any repair & requirement, service is hired from outside agencies by calling quotations for the same & are utilized for effective content delivery. Log book/register is being maintained in the laboratory while performing experiments
- Each department lodges a complaint about the electrical and civil maintenance work along with requirements to respective department incharges
- Maintenance activities related to gardening, tree plantation, construction and maintenance of landscapes, creation and maintenance of greenery in the campus, external and physical beautification of the college campus, too, have been outsourced.
- Gardeners and laborers daily carry out gardening activities, Maintenance, cleaning, housekeeping, sanitary maintenance and cleaning of all the class rooms, sports complex, laboratories, library, hostel buildings have been outsourced
- Round the clock security on the college campus is done by the external agency
- For Utilization every department whoever wants to use the

facility like auditorium, seminar halls needs to submit application & If available it will be allotted to the department.

• No dues clearance from the library is made mandatory for the students before the exam. Entry register for visitors is maintained.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimagefile/442_Additional%20Information-2021-22.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

2441

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

101

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	https://kdkce.edu.in/writereaddata/fckimag_efile/513%20Capacity%20Building%20and%20skill%20enhancement-2021-22.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1041	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1041	
File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

<p>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</p>	<p>A. All of the above</p>
--	-----------------------------------

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

485

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

15

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

12

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

STUDENT COUNCIL

As per RTMNU direction No. 39 of 2017 Student Council is constituted. There are 26 Members in Student Council with Principal as the Chairman and 2 Staff as members. 23 Students are nominated having the representation from NSS, Sports, First year and all the branches.

- The Student Council elect Secretary and President to represents student problems in RTMNU.

- Institute is also having a Students representation in College Development Committee CDC.

- Every department is having separate student association like EESA, MESA, CESA, FACEIT, ISF with post of President, Secretary, Treasurer, PRO, Event Incharges , Publicity incharge etc, from Students.

- Every year college organizes Navonmesh (Annual Social Gathering) and SPARK, A National level paper presentation competition organized by a Student committee.

Roles and responsibilities of Student Council and Students Association:

- To communicate its opinion to the college administration on any subject concerning students

- To promote the involvement of students in organizing curricular,

co-curricular activities

•To promote the interests of students among the college administration and staff.

•To organize financial campaigns, educational, recreational and charitable activities

• To propose activities to college administration that would improve the quality of life in the college.

File Description	Documents
Paste link for additional information	https://kdkce.edu.in/writereaddata/fckimag_efile/532%20Students%20representation-Additional%20Info_compressed.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

61

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni Association

T&P Department has formed an Alumni association to enable continuous interaction of college alumni for the benefit of current batches.

The KDKCE Alumni Association is registered under Charity Commissioner (Registration No. is Nagpur/ 0000236/2018)

Principal is the chairman and Vice Principal, Dean, Alumni Incharge, one faculty and two alumni being the office bearers of Alumni Association.

The department conducts regular meetings with their alumni to gather feedback for deciding CO, PO and PEO and also to conduct bridge courses to meet the industry demand. College host lectures inviting alumni to guide the current batch of students and share information about higher studies, Industrial training and Job opportunities in the country and abroad.

The Alumni cell works towards strengthening the linkage between the alumni and current students of KDKCE.

All pass out students can register online at www.kdkce.org in Alumni association. Presently the alumni cell has a revised database of about 5038 Alumni containing all the relevant information. Every year an alumni meet is organized at KDKCE campus. This year too on 5 March 2022, Online Global Alumni meet was organized with participation from over 138 alumni. Projects are also guided and even sponsored by our alumni for final year students.

File Description	Documents
Paste link for additional information	https://kdkce.edu.in/index.php/Alumniregister/index/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The governance of the college ensures effective and a decision - based planning and administration of academic affairs in tune with its vision and mission.

Vision statement:

"Service to the Society through Quality Technical Education"

Mission Statement:

- Academic Excellence in Engineering and Technology Through Complete dedication to all round Growth of Students.
- Enable the Students to Develop Outstanding Professional with Technical Competence and Management Skills.
- Fulfill the Expectations of the Society and Industries with Ethical Standards for developing Sustainable Solutions

With the said vision, the college aspires to stand amongst the top institutions in the state so to fulfill the objectives of the stakeholders and regulatory bodies aligned with the new education policy of India. The college strives to have

- Academic enrichment by fostering learning through ICT& industry-oriented expert lectures, International Support System
- Up-gradation of knowledge through innovation meeting societal needs
- Enhance the entrepreneurship and industry interaction & alumni engagement
- Green & ergonomic campus

With the above objectives envisaged for staff and students mingled with quality deliverance is implemented through state of the art infrastructure, to enhance their employability quotient.

The policy driven decisions are taken & implemented by various committees to achieve the intended objective.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Content/page/index/RmZvMW91cGFwdjVRWmc9PQ%3D%3D/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Academic administration is carried out under the effective leadership of the Principal where the decentralization and participation is an integral part of it.

The case of "Academic Monitoring" in the college is the best example of both the practices that imparts freedom to be part of suggestions - based decision.

The Decentralization Practice

Academic monitoring involves responsibility and accountability at each level viz. students, faculties, head(s) of department, dean(s), vice principal and principal for its effective deliverance. Each committee constituted for effective conduction of academics has the representation from students to the vice principal. The principal takes the opinion of every individual into consideration for better outcome of the academic deliverance. This is possible only when the academic monitoring is effectively pursued at each level.

The Participative Practice

The Principal, Vice-Principal, Dean, HOD, Faculty and Students level; all are involved and play important role in the participative management of academic monitoring. At each level, they put-forth their suggestions for effective academic conduction & monitoring and implemented too. The final decision to provide academic infrastructure is taken by the Governing Body and the Management. However, all views are taken into consideration for the implementing the decisions for achieving academic excellence.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Contentpage/index/RmZvMW8raGFwdjVRWlE9PQ%3D%3D/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Deployment of perspective & strategic plans of the college aligning with its objectives:

To upgrade the qualification and knowledge of the faculty and students

The college encourages and sponsors faculties to undertake doctoral research work, faculties and students are sponsored to attend STTP/Conferences/Workshops, etc. for knowledge up-gradation. MoU have been signed for knowledge and academic exchange. Faculties are encouraged to publish their research work in reputed journals.

To bring the research culture in the institute

The college has R & D Cell for monitoring and facilitating research work by the faculty and students. College has many activity clubs for project & skilling activities. Conferences have been organized to provide platform & encouraged faculties to publish the research work during the year. College received the granted of more than 24 lakhs under various schemes. College has established recognized center of research leading to PhD in Civil & Mechanical Engineering to facilitate research. More than 38 faculties are holding the doctoral degree till-date and rest are pursuing.

To create the healthier teaching-learning environment.

The college follows the Environment Policy 2020 issued by AICTE there under, Green Auditing, Environment Auditing, and Energy Auditing of the college campus has been carried out to benefit all stakeholders.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.kdkce.edu.in/index.php/Content/page/index/RmZzc3Z1cEdTZnhTWlZRPO%3D%3D/
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

K D K College of Engineering is a private unaided college governed by the rules and procedures laid down by the affiliating Nagpur University, Govt. of Maharashtra.

The College has a well-defined organizational structure that clearly describes the duties and responsibilities for smooth functioning of the college. All class/Lab in-charge, accountable for academic conduction, report to the head of department. The Dean(s) are kept informed, with due suggestions, by the heads of department on all the respective concerned matters. The dean(s), with details academic affairs, suggestions for improvement, etc. reports to the IQAC. Vice principal and principal gets all the necessary inputs from the IQAC/Dean/Office Superintendent on all the concerned matters. IQAC coordinator along with the vice-principal and principal envisage the plans/policy for betterments of academic infrastructure/conduction and administration and submits to the College Development Committee, which in turn place the proposal before the Governing Body for approval and financial sanction.

The appointments, training and promotions of the employees are strictly made in accordance with the provisions of service rules

Various policies, welfare schemes and grievance redressal mechanisms formulated and implemented as per the directives of the government/AICTE/UGC/University.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Contentpage/index/RXZvMW91cGFwdjVRWmc9PQ%3D%3D/
Link to Organogram of the institution webpage	https://www.kdkce.edu.in/index.php/Contentpage/index/RXZvMW91cGFwdjVRWmc9PQ%3D%3D/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Institutional effective welfare measures are as below:

Employee's Provident fund

The institution contributes towards EPF to all the EPF account holders.

Gratuity

On retirement every staff is given gratuity. College deposits yearly contribution towards Gratuity in policy of LIC-Group Gratuity cash accumulation plan of Teaching & Non-teaching staff

Group Insurance

College takes group insurance of the staff and students.

Maternity Leave

College renders a maternity leave to eligible lady staff as per the rule of the government.

Medical/Ambulance

Medical facilities are available round the clock for the faculty & students.

Scholarship/Bank facility

Under the Institutional Social Responsibility, college provides financial aid in the form of scholarship to the students of teaching & non-teaching staff.

PhD facilitations and Promotions

Faculty members are provided facility for pursuing PhD. Faculties, based on their qualification & performance appraisal, are given promotion on to the higher post or financial benefits.

Publication Incentives

Financial assistance is provided to the faculty and students for participation in the national/international Conferences and publishing research papers in the reputed journals.

Financial assistance for research, Patent/copyrights, and knowledge up-gradation

Financial assistance is provided to the faculty and students for academic enrichment, patent/copyrights filing, and innovative projects.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Content/page/index/RXZrMW91cGFwdjVRWmc9PO%3D%3D/
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

73

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

33

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

65

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The College has adopted a mandatory Self-Appraisal system to evaluate the performance of the faculty in teaching, research and extension programs. At the end of the academic year, every teaching staff submits the Self-Appraisal form duly endorsed by the Head and is evaluated on the basis of academic credentials, research contribution, quality enhancement, campus life enrichment, contribution to the college/university work and extensions services as per the guidelines of the statutory bodies. The evaluation of teaching faculty by the student has been adopted in the college that helps in self-evaluation and development.

Non-teaching staff submits the self-appraisal and the same is evaluated by the respective head for its assessment for their contribution towards academic & the administration.

The Principal acknowledges notable performance of any faculty. The administration, through IQAC, encourages the faculty members to take up the Quality initiatives to enhance the performance in transforming knowledge to the students.

Best faculty award for the teaching and non-teaching staff is given for their excellent services in the year.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Contentpage/index/RmZNb3Z1cEZTZnhTWlZRPO%3D%3D/
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The college has a mechanism, in accordance with the principles of accounting and auditing that are generally accepted in India, for internal and external audit of the college's annual account.

The internal & external audit of the college income and expenditure for each financial year is an ongoing continuous process wherein, the examining the evidences supporting the amount of expenditures in the financial statements, is performed by committee of staff, appointed by the college. The internal auditors are also checking all utilization certificates of the grant.

In addition to the internal audit, external auditors verify and certify the financial statement audited by the internal auditors. During the process of audit, all vouchers of the transactions that are carried out in each financial year are checked thoroughly and verified vis-a-vis allocated budget to ensure the correctness of the accounting procedure that is followed in the institution, compliance of the financial policy of the college, and compliance of the provisions made under various statutory bodies.

The Auditors report reflects that there has been consonance with budgetary provision and utilization. Advises and observations pointed out by the audit team are incorporated in the auditor's report and financial statements.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Content_page/index/RLA0MW91bGFwdjVRWmc9PQ%3D%3D/
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

3.413

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Before the financial year begins, Principal, IQAC, Deans & HODs prepare the college budget. College budget includes recurring & non-recurring expenses such as salary, electricity and internet charges, equipment and facilities, maintenance cost, stationery and other consumable etc. It includes planned expenses such as purchase of lab equipment, furniture and other development expenses. Mobilization of fund is done through tuition fee and consultancy, besides conduction of various off-line & online examination of competitive nature.

The optimal utilization of fund is as given below:

- For salary, arrears, & welfare measures
- For mandatory deposits, annual fee of statutory bodies/university, etc
- For creation and maintenance of academic infrastructure
- For purchasing of equipment and software
- For research and development

- For organization of International & National Conferences/Seminar
- For conduction of Curricular, Co-curricular, Extra-curricular and extension activities
- For recurrence expenses, etc.

The institute utilizes its resources in its optimal format. The college earmarks fund for various head. College follows the procedure of procurement as per the general financial rules. The accounts section maintains all financial documents and bills. Transparency is maintained through the entire process and allocated funds are optimally utilized.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Contentpage/index/RLA0MW91bGFWdjVRWmc9PQ%3D%3D/
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC of the college keeps the track of academic monitoring to enhance the quality in deliverance and to impart various skills to the students. Following two practices are testimonial to the QUALITY INITIATIVES.

Practice - I: Academic Monitoring

Students are empowered to play vital role as class/batch representative, in implementing academic planning.

Every teacher is responsible for the quality conduction of class. Class in-charge monitors the conduct of theory/practical classes, and other co-curricular participation. HoD monitors the entire academic affair and check whether it is going as per the academic calendar. Principal & Vice Principal, Dean (acad. & student) also monitors the academic conduction with due consideration to the punctuality, attendance and the quality. If necessitates, they motivate students personally and in-group for responding to the academic conduction.

Practice - II: Students' Skill Development Program

To elevate overall personality and inculcate cognitive, affective and psychomotor skills, series of activities are conducted throughout the year. Each departmental Students' Associations, NSS, SAC, Chapters, Clubs, etc. undertake the activities to instill all the graduate's attributes.

Outcome

The practice - I helped to improve the overall quality of teaching - learning process in the institute.

The practice -II helped students to attain cognitive, affective and psychomotor skills.

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Content_page/index/RXY0MW91bGFwdjVRWmc9PQ%3D%3D/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Following are two practices

Academic Audit - its review and implementation of evaluation:

The Academic and Administrative Audit (AAA) is the primary teaching-learning review conducted every session. It evaluates the fulfillment of institutional parameters of academic conduction & administration. The academic conduction is evaluated during the audit. This provides insights into the benchmarks and attainment for every academic session which is placed before IQAC.

Incremental improvement: ICT facilities were enhanced for online teaching and Learning. HOD, Dean, Vice Principal & Principal were given access to join the Google Classroom to monitor the teaching. More faculty developmental activities and students skill developmental activities were conducted through online mechanism during the pandemic. Academic & Administrative Audit enabled each department to observe the continued improvement in all domains of academic conduction.

Teaching-Learning and Evaluation:

Teaching - learning activities and performance evaluation was carried out using ICT. Review of learning-outcome takes place by evaluating students' interactions in classroom, participation in extracurricular activities, and their performance in internal assessment and end semester examination

Incremental improvement: Online academic activities improves the quality of TLP and overall Result. Luminaries from India & abroad delivered expert lectures that enhanced the quality of understanding. The University result is more than 95%

File Description	Documents
Paste link for additional information	https://www.kdkce.edu.in/index.php/Content_page/index/RmZ3aHZ1cEZTZnhTWlZRPO%3D%3D/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.kdkce.edu.in/index.php/Content_page/index/RXY0MW91bGFwdjVRWmc9PQ%3D%3D/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 - Institutional Values and Social Responsibilities****7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

KDKCE strives to abide by the principality of equality in the college campus, with 50% girls students admitted each year. Safety, Care, Health, Counseling measures are the backbone of confidence and courage. Girls students are evenly distributed in their Classes, practical batches, assigned curricular & co-curricular tasks, participated in extracurricular activities like cultural and sports events. Rally for gender equality, Self-defense classes, Health awareness programs, Meditation & Yoga are some of the paramount activities conducted for building gender personality. Girl students take lead role during Site Visits, Industrial training, Internship, Excursion & study tour along with Lady faculty members. College has Sexual Harassment complaint, Women Development Cell, and Internal Complaint Committees to look into adversities among the female. Two Lady Heads of Department, Dean Academic and Senior female faculties hold the cognitive responsibilities for well-being and sensitization of the students. Girl students actively participate in the Departmental Student association as President, Secretary, and coordinator. The upbringing of women in the college has shown exuberant university result, participation in paper publications in conferences, Best Student award, Fresher's Day, Annual Day Program, Garbha Event and NSS activities. Equal opportunities for both Boys & Girls invoke Gender equality and sensitization in the campus.

File Description	Documents
Annual gender sensitization action plan	https://www.kdkce.edu.in/pdf/7.1.1%20NEW_A_nual%20gender%20sensitization%20Activities_Final-2021-22.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://kdkce.edu.in/writereaddata/fckimag_efile/711-Specific%20Facility-2021-22.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy

A. 4 or All of the above

conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor- based energy conservation Use of LED bulbs/ power efficient equipment	
File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File
7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management	
<p>KDKCE has a good waste management system for the management of degradable and non-degradable waste. The major sources of solid waste are tree droppings, lawn management and kitchen waste. Separate dustbins are provided for collection of dry and wet waste. A vermicomposting plant and Sewage treatment plant are installed for waste management. Vermi-compost produced from the decomposition process boosts the nutrients available to plants, helping seeds to germinate quickly, grow faster, develop better root system and produce higher yields. A 40 KLD Sewage treatments Plant (STP) is installed to fulfill the Demand and Supply gap for irrigation of more than 1000 Plants, Planter bed and 4 acre of lawn. The Institute has an efficient drainage system for liquid waste generated in the campus. Biomedical waste is disposed using Incinerators installed in Girl's Hostel and Girl's Common room. E-waste management involves re-using for academic purpose. Waste recycling involves the collection of waste materials and segregation of waste materials. Vermicomposting is used to recycle solid waste. College has 40 KLD STP to produce an effluent that can be reused in a useful manner. Chemical waste from the laboratories is disposed properly for eco-friendly degradation. No radioactive waste is generated in Chemistry labs.</p>	
File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

<p>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment</p> <p>5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</p>	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Institute has made efforts to provide an inclusive environment by celebrating National Festivals and cultural events with great enthusiasm. In these programs, the messages of social harmony, social awareness and sense of belonging to nation and society are given. Several activities are conducted in the Institute to build

and promote an environment for ethical, cultural, and spiritual values among the students and staff. Similarly National Heroes day was celebrated wherein light was thrown on the lives and work of national heroes who belonged to different religions and sects hailing from different regions and spoke different languages. Several cultural programs like Annual cultural program "Navonmesh 2021", Makarsankranti, Dandia jalsa etc. have been organized to give the message of social harmony and unity in diversity which is the noteworthy characteristic of our nation. In these programs, students belonging to different castes and religions participated with ardor and enthusiasm which displayed the harmony amongst the students. As far as employees of the college are concerned there is beautiful fusion of men and women who belong to different castes and religion. To inculcate social values among students Institute organizes donation drive for needy people as a sense of respect and care towards society.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur has introduced a subject "Indian Culture and Constitution" for First year B.Tech. from 2020-21. The college conducted activities to inculcate values for being responsible citizens as reflected in the Constitution of India. The Constitution Day was celebrated with a webinar to commemorate the adoption of the Constitution. On Teacher's Day students take the opportunity to express their love and respect for the teachers. Shaheed Diwas, National days and a blood donation camp were organized in which the staff and students were enlightened about their duties, rights and responsibilities as responsible citizens. Matrubhasha Diwas was celebrated to love and feel proud of their mother tongue. Constitution enjoins that there should be no unprivileged class in the society. Various outreach activities have been conducted to inculcate values of respect, responsibility, integrity, care and Harmony in students. World Earth Day celebration, rally for awareness on Gender Equity, webinar on Energy conservation, Swachhata Pakhwada, Navonmesh-Annual cultural program, Garba festival, and Youth parliament

program in association with Sakal Newspaper were also organized. The college has also organized webinars and Faculty Development Programs for students and staff for inculcating the knowledge about the social responsibilities, duties, rights and ethics.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.kdkce.edu.in/pdf/7.1.9%20Details%20of%20activities%20that%20inculcate%20values_Final-2021-22.pdf
Any other relevant information	https://kdkce.edu.in/writereaddata/fckimagfile/719-Any%20other%20relevant%20information-2021-22.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The College has celebrated National and International Commemorative Days, events and festivals. Teachers day was celebrated to appreciate the contribution of teachers in the field of education and efforts made by teachers for the all-round growth of their students. National Engineer's Day, Vishwa Bandhutva Diwas, Constitution Day and International Women Day under the aegis of "Mardani" were celebrated. National Youth Day was observed on the birth anniversary of Swami Vivekananda to honour his ideas, achievements and to enlighten the students about his contributions to spirituality, philosophy, social reform and youth leadership. In view of the importance of water and energy, the students were educated about the necessity of saving water and energy by observing World Water Day and World Energy Conservation Day. Makar Sankranti festival was celebrated by Women Development Cell for female staff. Chhatrapati Shivaji Maharaj Jayanti was celebrated to remember his administration and victory. To remember the freedom fighters and the ones who sacrificed their lives for the welfare of our nation, Shaheed Diwas (Marty's Day) was observed, World Health day was celebrated on 7th March, writing is art was celebrated on 9th May, and Garba competition was organized during Navratri. Independence Day and Republic Day were also celebrated.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Academic Monitoring is a best practice to achieve quality deliverance of information and knowledge, to attain students' goals, to achieve progressive improvement of instructional practices, to maintain an effective analytical & problem solving approach towards all learners, and to develop academic proficiency of students along with their overall personality. It assists students to take charge of their academic success and personal

well being. At various levels in the college, the monitoring system included effective implementation of academic planning, co-ordination of co-curricular and extra-curricular activities, coverage of syllabus, attendance of students, academic progress of students, etc. The most important details in this text are the roles of the faculty level, the HOD level, the Principal & Vice-Principal level, and the Management level. The faculty level was responsible for conduction and preservation of quality deliverance, monitoring the coverage of syllabus, attendance of students, conduction of class tests and sessional examinations, participation of students in co-curricular and extra-curricular activities, seminars, site visits, summer internships, and monitoring the academic progress of every student in the class. The HOD level monitored the regularity and quality deliverance of lectures by every teacher in the department, guided the class teachers in monitoring the academics and other activities, and checked the regularity of classes and activities as per the academic calendar. The principal & vice- principal level prepared the academic calendar, monitored the classes and activities, and guided the teachers in all matters of teaching-learning process.

File Description	Documents
Best practices in the Institutional website	https://kdkce.edu.in/index.php/Contentpage/index/RmY0dXZ1dEVTZnhTWlZZPQ%3D%3D/
Any other relevant information	https://kdkce.edu.in/writereaddata/fckimagfile/721%20Any%20other-info-2021-22.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

KDK College is the "Temple of Education" serving the society since more than 3 decades. It has been nurturing the aspiring minds with technical education, with the vision "Service to the Society through Quality Technical Education". However, due to the geo-economical characteristics of the region, many students faced difficulty in acquiring technical education due to their poor economical family background. To address this, college earmarked a corpus fund for providing scholarships in the form of concession in the tuition fees for the aspiring students coming from poor economic background. These students were given scholarship/concession for all four years of their study. The

college has been providing scholarships, relieving parents and students from financial stress. For last four academic sessions, the amount of scholarship provided on an average is about 131 lakhs. This has led many general category as well as backward category students to enroll for the courses of their choice, at KDKCE and get benefited. College has also provided free library book-bank facility to cater to their needs of reading & learning. To make students aware of the institutional distinctiveness, college holds counselling sessions for students of the region and reaches out to various organizations under its 'Outreach Program'.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To conduct Internship program for First Year BTech students
- To organize International Conference hosted by Department of Basic Science in December 2022
- To organize International Conference hosted by E &TC Engineering Department in March- 2023
- To organize International Conference on NEP-2020 in collaboration with other institutes in April 2023
- To organize National seminar on Sports in collaboration with other institutes in April 2023
- To submit online/offline AICTE- AQIS and ATAL FDP proposals
- To apply for the NIRF ranking-2023
- To conduct online/offline STTP/FDP
- To organize e-Yantra Workshop & other Workshops through different Departments
- To organize Mini Hackathon -2023
- To review Intellectual property (Patent) Cell (IP Cell) activities
- To improve placement of students
- To submit Research Proposals
- To augment Industry-Institute Interaction
- To participate in AICTE-CII Survey
- To undertake environment friendly initiatives through NSS/NCC
- To promote participation of students and staff in Curricular, Co-curricular and extra-curricular activities
- To encourage faculty (having PG degree only) to complete the Doctoral Degree Programmes

- To enhance the Skilling activities
- To encourage the students for the participation in Foreign Language courses
- To increase Incubation activities
- To promote Entrepreneurship Development Programs in collaboration with MSME
- To enhance the participation and certification in MOOCS/NPTEL courses.
- To motivate the students to participate in Extension activities
- To organize Yantrotsav -A National level Robotics Competition in April-2023
- To encourage Students and faculty/staff to participate in Yoga and other Physical exercises